Vienna Instruments
Solo Download Instruments
Alto Trombone
Full Library

Contents

Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Solo Download Instruments! This document contains the mapping information for the "Full" version of the Vienna Instruments Alto Trombone. You will find in it a comprehensive survey of the articulations/Patches content, a listing of abbreviations, and the mapping list proper which gives details for every Patch, Matrix, and Preset.

"Full" Library

As opposed to the "Standard" versions of our Solo Download Instruments, the "Full" versions are identical with the corresponding instruments of a DVD Collection, i.e., they contain exactly the same samples, Patches, Matrices and Presets as the latter without any restrictions.

Installing a Download Instrument's Full version copies that instrument's sample content to a separate folder on your hard disk, so that it is not necessary to keep its Standard version installed – you may either delete it from your hard disk or at least remove it from the Directory Manager's list of activated instruments. In the Vienna Instruments Browser, the path of the Full version will be the same as that of the corresponding DVD Instrument, so that you can still see both versions as separate entries if you keep the Standard version installed.

Data paths and Patch name conventions

Since the Full versions of Download Instruments conform to the corresponding DVD Instruments, the data paths in your Vienna Instruments browser will be different than those of Standard Download or Special Edition Instruments. For instance, the path of the Standard Download Library of Flute 1 is "02D Flute-1", and all Patches can be found in this folder regardless of the articulation group they belong to. The Patch number is also marked with a "D" so that you immediately know it is a Download Instrument. In the Vienna Special Edition, Flute 1 is located in the folder "11 Flutes" together with the other flutes. Here, the Patch number is marked with an "S". The Full Download of Flute 1 is located in the subfolder "32 Flute" of the section "Woodwind Patches", which again contains subfolders grouping the Patches according to type, e.g., "01 SHORT + LONG NOTES", "02 DYNAMICS", etc. Patch names of the Full Download Library may differ from the corresponding ones of the Standard Download Library.

While Full Download Instruments contain all articulations of the corresponding DVD Instruments, their Patches are not divided into Standard and Extended content. The list of articulations further down which gives a summary of the Library's contents.

Special Patch configurations which sometimes are part of a Standard Download Instrument may be found in a reserved folder called "98 RESOURCES" in the Full Instrument. E.g., Flute 1 Standard contains the Patch "22D FL1 legato-sus"; in Flute 1 Full, this Patch is called "01 FL1_perf_leg_sustain" and is located in the Resources' subfolder "03 Perf Speed variation". (Apart from that, it also contains more samples.) Other articulations that can be found in the Resources folder are isolated dynamics repetitions in the subfolder "01 Perf Rep dyn" – e.g., the five repetitions of a legato crescendo, divided into separate Patches – and extracted velocity layers of sustained notes in the subfolder "02 Long Notes – Single Layer".

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Where the type of articulation requires a special mapping (e.g., natural harmonics patches), the mapping layout will be shown in a detailed graphic.

Major and minor runs are always mapped to the keys of their scale, as are **arpeggios** to the keys of the broken chord played. **Grace notes** and **mordents** are mapped to their target note, i.e., the note the articulation ends with. Due to their nature, all **upward and downward articulations** (e.g., fixed glissandos and octave runs) have different mapping ranges – the upward movements ending the involved interval below the Patch's upper mapping range, while downward movements end the interval above its lower mapping range. (Please note that not all of the articulations mentioned above may be contained in your Collection.)

The Patch information also lists a Patch's velocity layers in detail. Velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to the instrument's requirements:

Layers	Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6
2	1–88	89–127				
3	1–55	56–88	89–127			
4	1–55	56–88	89–108	109-127		
5	1–24	25–55	56–88	89–108	109–127	
6	1–24	25–55	56–88	89–108	109–118	119–127

Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations like the strings' portamento, marcato, or détaché and spiccato articulations.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But of course, it's mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note. To circumvent this, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

Note: the Vienna Instruments PRO player software also allows you to play polyphonic Interval performances.

Another variety of interval performance you will come across is the "perf-leg_sus" Patch. These Patches also contain normal legatos, only the target note of each interval is crossfaded into a looped sustain. They can be used for slower pieces with long notes; however, you should use them with circumspection, since plain legatos sound more lively because they not only render the interval transitions as they were played, but also have different target samples for every interval instead of the same sustained note: When you play, e.g., c–e and then c#–e with normal legato, you will get two different "e" tones; with sus-legato you won't.

Matrix information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

A/B switching normally is set to A0 for upward/crescendo, and B0 for downward/diminuendo. However, some bass instruments go below that range so that the A/B keys have to be adapted accordingly. For example, the A/B switches for double bass are A0 and A#0 because the instrument's lower range extends to B0.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

Speed controller switches naturally are adjusted to the Patches involved, and have been tested carefully as to their playability. However, if you find that they do not fit your playing, or want to try out other settings, you can change this as well as any other controller's settings at the **Control edit** page, and save the result in your Custom Matrix folder.

Preset information

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 101–112; VI PRO: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. Vienna Instruments PRO also allows you to define a MIDI Control for Preset keyswitching.

Abbreviations

Here's a list of abbreviations in Patch names, which will help you to determine a Patch's content even without the help of the Vienna Instruments browser. Please note that not all of the abbreviations may occur in the manual on hand.

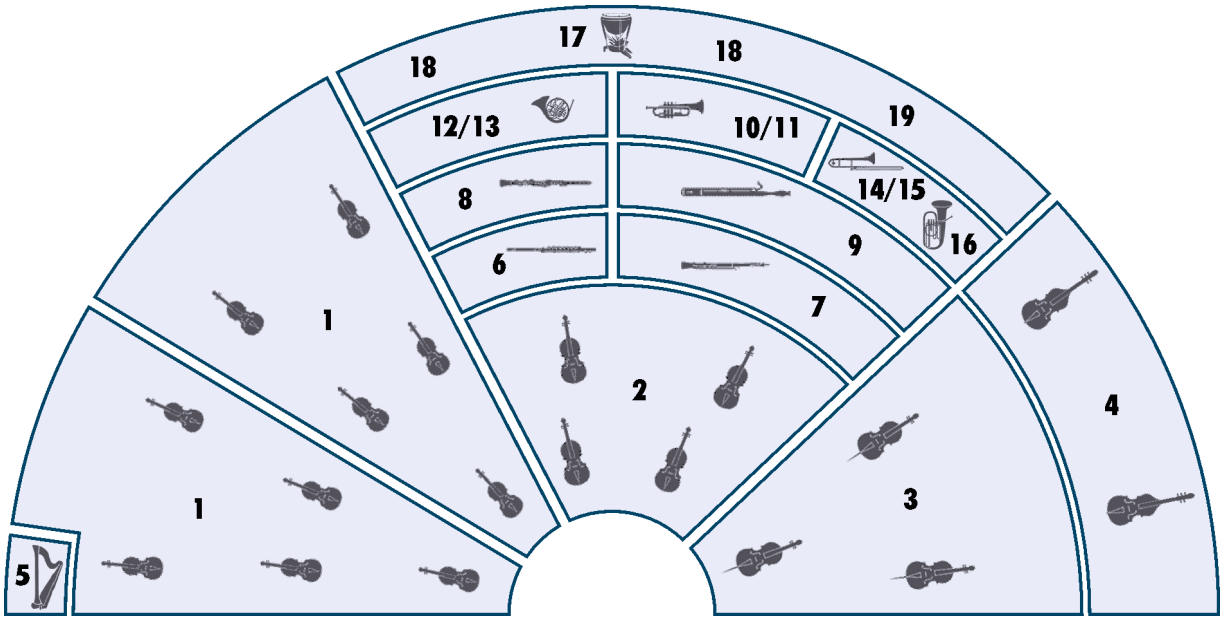
Abbreviation	Meaning	Abbreviation	Meaning
150, 160, …	150, 160, … BPM (beats per minute)	marc	marcato
1s, 2s, …	1 sec., 2.sec. … duration	me	medium
all	combination of all Patches of a category	noVib	without vibrato
		perf-rep	repetition performance
cre	crescendo	por	portato
cre5, cre9	crescendo, 5/9 repetitions	RS	release sample
dim	diminuendo	sl	slow
dim5, dim9	diminuendo, 5/9 repetitions	soft	soft attack
dyn	dynamics (crescendo and diminuendo)	sta, stac	staccato
		str	strong
dyn5, dyn9	dynamics, 5/9 repetitions	sus	sustained
fa	fast	Vib	with (medium) vibrato
fast-rep	fast repetitions	Vib-prog	progressive vibrato
flatter	flutter tonguing	XF	cell crossfade Matrix
leg	legato		

Articulations

56 Alto trombone	
01 SHORT + LONG NOTES	Staccato Portato short and medium Portato long, marcato and soft Sustained
02 DYNAMICS	Medium dynamics, 1.5/2/3/4/6 sec. Strong dynamics, 2/3/4/6 sec. Crescendo-diminuendo, 2/3/4/6/8 sec. Fortepiano, sforzato, sforzatissimo
03 FLATTER	Flutter tonguing, normal and crescendo
10 PERF INTERVAL	Legato Marcato
11 PERF INTERVAL FAST	Legato Marcato
12 PERF TRILL	Trills, legato, minor to major 2nd
13 PERF REPETITION	Legato Portato Staccato Normal and dynamics
14 FAST REPETITION	Staccato, 120 to 180 BPM Normal and dynamics
15 UPBEAT REPETITION	1, 2, and 3 upbeats, 80-140, 160, 180, and 200 BPM
16 GLISSANDI	Performance glissandos, fast and slow, minor 2nd to diminished 5th Fixed glissandos, fast and slow, minor 2nd/3rd to diminished 5th, up and down

The orchestra

There are several ways of setting up an orchestra, depending on the era of the piece played, the type of the piece and the instruments it requires, and even on the preference of the conductor. The figure below shows one of the more common setups, which can be taken as a guideline for mixing a composition, properly positioning the instruments in the stereo field and adding reverb according to the size of the concert hall you want your piece to be played in.



1 1st and 2nd violin
2 Viola
3 Cello
4 Double bass
5 Harp
6 Concert flute, piccolo
7 Oboe, English horn
8 Clarinet, bass clarinet
9 Bassoon, contrabassoon
10/11 Trumpet
12/13 Horn
14/15 Trombone
16 Tuba
17 Timpani
18 Drums, cymbals
19 other percussion instruments

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

56 Alto trombone

Patches

01 SHORT + LONG NOTES — Range: G2–E5

01 ATB_staccato — **Samples: 256** — **RAM: 16 MB**
Staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
2 Alternations

02 ATB_portato_short — **Samples: 320** — **RAM: 20 MB**
Portato, short
5 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–118 f; 119–127 ff
2 Alternations

03 ATB_portato_medium — **Samples: 320** — **RAM: 20 MB**
Portato, medium
5 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–118 f; 119–127 ff
2 Alternations

04 ATB_portato_long_marc — **Samples: 192** — **RAM: 12 MB**
Portato, long, marcato
3 velocity layers: 0–88 mf; 88–108 f; 109–127 ff
Release samples

05 ATB_portato_long_soft — **Samples: 224** — **RAM: 14 MB**
Portato, long, soft
3 velocity layers: 0–55 p; 56–108 mp; 109–127 f
Release samples

11 ATB_sus — **Samples: 288** — **RAM: 18 MB**
Sustained
5 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–118 f; 119–127 ff
Release samples

02 DYNAMICS — Range: G2–D#5

01 ATB_dyn-me_1'5s — **Samples: 64** — **RAM: 4 MB**
Medium crescendo and diminuendo, 1.5 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

02 ATB_dyn-me_2s — **Samples: 64** — **RAM: 4 MB**
Medium crescendo and diminuendo, 2 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

03 ATB_dyn-me_3s — **Samples: 64** — **RAM: 4 MB**
Medium crescendo and diminuendo, 3 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

04 ATB_dyn-me_4s — **Samples: 64** — **RAM: 4 MB**
Medium crescendo and diminuendo, 4 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

05 ATB_dyn-me_6s — **Samples: 64** — **RAM: 4 MB**
Medium crescendo and diminuendo, 6 sec.
2 velocity layers: 0–88 p-mf/mf-p; 89–127 mf-f/f-mf
AB switch: crescendo/diminuendo

11 ATB_dyn-str_2s — **Samples: 32** — **RAM: 2 MB**
Strong crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 ATB_dyn-str_3s — **Samples: 32** — **RAM: 2 MB**
Strong crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 ATB_dyn-str_4s — **Samples: 32** — **RAM: 2 MB**
Strong crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

14 ATB_dyn-str_6s — **Samples: 32** — **RAM: 2 MB**
Strong crescendo and diminuendo, 6 sec.
1 velocity layer
AB switch: crescendo/diminuendo

21 ATB_pfp_2s — **Samples: 32** — **RAM: 2 MB**
Crescendo-diminuendo, 2 sec.
2 velocity layers: 0–88 p; 89–127 f

22 ATB_pfp_3s **Samples: 32** **RAM: 2 MB**
Crescendo-diminuendo, 3 sec.
2 velocity layers: 0–88 p; 89–127 f

23 ATB_pfp_4s **Samples: 32** **RAM: 2 MB**
Crescendo-diminuendo, 4 sec.
2 velocity layers: 0–88 p; 89–127 f

24 ATB_pfp_6s **Samples: 32** **RAM: 2 MB**
Crescendo-diminuendo, 6 sec.
2 velocity layers: 0–88 p; 89–127 f

25 ATB_pfp_8s **Samples: 16** **RAM: 1 MB**
Crescendo-diminuendo, 8 sec.
1 velocity layer

31 ATB_fp **Range: G2–E5** **Samples: 32** **RAM: 2 MB**
Fortepiano
1 velocity layer

32 ATB_sfz **Range: G2–E5** **Samples: 32** **RAM: 2 MB**
Sforzato
1 velocity layer

33 ATB_sffz **Range: G2–E5** **Samples: 32** **RAM: 2 MB**
Sforzatissimo
1 velocity layer

03 FLATTER **Range: G2–E5**

01 ATB_flatter **Samples: 64** **RAM: 4 MB**
Flutter tonguing, forte
1 velocity layer
Release samples

02 ATB_flatter_cre **Samples: 32** **RAM: 2 MB**
Flutter tonguing, crescendo
1 velocity layer

10 PERF INTERVAL — Range: G2–D#5

01 ATB_perf-legato — **Samples: 788** — **RAM: 49 MB**
Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 ATB_perf-marcato — **Samples: 788** — **RAM: 49 MB**
Marcato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 PERF INTERVAL FAST — Range: G2–D#5

01 ATB_perf-legato_fa — **Samples: 844** — **RAM: 52 MB**
Legato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 ATB_perf-marcato_fa — **Samples: 844** — **RAM: 52 MB**
Marcato, fast
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

12 PERF TRILL — Range: G2–D#5

01 ATB_perf-trill — **Samples: 1388** — **RAM: 86 MB**
Performance trills, legato, minor to major 2nd
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

13 PERF REPETITION — Range: G2–D#5

01 ATB_perf-rep_leg — **Samples: 240** — **RAM: 15 MB**
Legato repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 ATB_perf-rep_por — **Samples: 432** — **RAM: 27 MB**
Portato repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

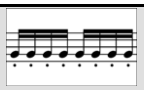
03 ATB_perf-rep_sta — **Samples: 384** — **RAM: 24 MB**
Staccato repetitions
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

11 ATB_perf-rep_dyn5_leg — **Samples: 160** — **RAM: 10 MB**
Legato dynamics, 5 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

12 ATB_perf-rep_dyn9_por — **Samples: 288** — **RAM: 18 MB**
Portato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

13 ATB_perf-rep_dyn9_sta — **Samples: 288** — **RAM: 18 MB**
Staccato dynamics, 9 repetitions
1 velocity layer
AB switch: crescendo/diminuendo

14 FAST REPETITION — Range: G2–D#5



01 ATB_fast-rep_120 (130/140/150/160/170/180) — **Samples: 96** — **RAM: 6 MB**
Staccato, 9 repetitions, 120–180 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

11 ATB_fast-rep_120_dyn (130/140/150/160/170/180) — **Samples: 32** — **RAM: 2 MB**
Staccato, 9 repetitions, 120–180 BPM, crescendo and diminuendo
1 velocity layer
AB switch: crescendo/diminuendo

15 UPBEAT REPETITION

A Single Upbeat — Range: G2–D#5

01 ATB_UB-a1_80 (90/100/110/120/130/140/160/180/200) — **Samples: 48** — **RAM: 3 MB**
1 upbeat, 80–140, 160, 180, and 200 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

B Double Upbeats — Range: G2–D#5

01 ATB_UB-a2_80 (90/100/110/120/130/140/160/180/200) — **Samples: 48** — **RAM: 3 MB**
2 upbeats, 80–140, 160, 180, and 200 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

C Triple Upbeats — Range: G2–D#5

01 ATB_UB-a3_80 (90/100/110/120/130/140/160/180/200) — **Samples: 48** — **RAM: 3 MB**
3 upbeats, 80–140, 160, 180, and 200 BPM
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

16 GLISSANDI

Please note that fixed glissandos have different up and down ranges.

01 ATB_perf-gliss_fa — **Range: G2–D#5** — **Samples: 936** — **RAM: 58 MB**
Interval performances: Glissando, fast, minor 2nd to diminished 5th
2 velocity layers: 0–88 p; 89–127 f
Release samples

02 ATB_perf-gliss_sl — **Range: G2–D#5** — **Samples: 770** — **RAM: 48 MB**
Interval performances: Glissando, slow, minor 2nd to diminished 5th
2 velocity layers: 0–88 p; 89–127 f
Release samples

11 ATB_gliss-fa-1 — **Range: G2–D#5** — **Samples: 180** — **RAM: 11 MB**
Glissando, fast, minor 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

12 ATB_gliss-fa-2 — **Range: G2–D#5** — **Samples: 172** — **RAM: 10 MB**
Glissando, fast, major 2nd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

13 ATB_gliss-fa-3 **Range: G2–D#5** **Samples: 160** **RAM: 10 MB**
Glissando, fast, minor 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

14 ATB_gliss-fa-4 **Range: G2–D#5** **Samples: 144** **RAM: 9 MB**
Glissando, fast, major 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

15 ATB_gliss-fa-5 **Range: G2–D#5** **Samples: 120** **RAM: 7 MB**
Glissando, fast, 4th
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

16 ATB_gliss-fa-6 **Range: G2–D#5** **Samples: 92** **RAM: 5 MB**
Glissando, fast, diminished 5th
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

21 ATB_gliss-sl-3 **Range: G2–D#5** **Samples: 120** **RAM: 7 MB**
Glissando, slow, minor 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

22 ATB_gliss-sl-4 **Range: G2–D#5** **Samples: 112** **RAM: 7 MB**
Glissando, slow, major 3rd
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

23 ATB_gliss-sl-5 **Range: G2–D#5** **Samples: 96** **RAM: 6 MB**
Glissando, slow, 4th
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

24 ATB_gliss-sl-6 **Range: G2–D#5** **Samples: 88** **RAM: 5 MB**
Glissando, slow, diminished 5th
2 velocity layers: 0–88 p; 89–127 f
Release samples
AB switch: up/down

98 RESOURCES

Isolated dynamics repetitions: Legato, portato, staccato
Single layer long notes

01 Perf Rep dyn — Range: G2–D#5

01 ATB_rep_cre5_leg-1 (2/3/4/5) — **Samples: 16** — **RAM: 1 MB**
Extracted repetition
Legato, crescendo, 1st to 5th note
1 velocity layer

01 ATB_rep_dim5_leg-1 (2/3/4/5) — **Samples: 16** — **RAM: 1 MB**
Extracted repetition
Legato, diminuendo, 1st to 5th note
1 velocity layer

02 ATB_rep_cre9_por-1 (2/3/4/5/6/7/8/9) — **Samples: 16** — **RAM: 1 MB**
Extracted repetition
Portato, crescendo, 1st to 9th note
1 velocity layer

02 ATB_rep_dim9_por-1 (2/3/4/5/6/7/8/9) — **Samples: 16** — **RAM: 1 MB**
Extracted repetition
Portato, diminuendo, 1st to 9th note
1 velocity layer

03 ATB_rep_cre9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 16** — **RAM: 1 MB**
Extracted repetition
Staccato, crescendo, 1st to 9th note
1 velocity layer

03 ATB_rep_dim9_sta-1 (2/3/4/5/6/7/8/9) — **Samples: 16** — **RAM: 1 MB**
Extracted repetition
Staccato, diminuendo, 1st to 9th note
1 velocity layer

02 Long Notes - Single Layer — Range: G2–E5

01 ATB_sus_p — **Samples: 64** — **RAM: 4 MB**
Sustained, piano
1 velocity layer
Release samples

02 ATB_sus_mp — **Samples: 64** — **RAM: 4 MB**
Sustained, mezzopiano
1 velocity layer
Release samples

03 ATB_sus_mf — **Samples: 64** — **RAM: 4 MB**
Sustained, mezzoforte
1 velocity layer
Release samples

04 ATB_sus_f **Samples: 64** **RAM: 4 MB**
Sustained, forte
1 velocity layer
Release samples

05 ATB_sus_ff **Samples: 64** **RAM: 4 MB**
Sustained, fortissimo
1 velocity layer
Release samples

99 RELEASE

This section contains release samples for various patches of the other sections. Please do not try to load them into a Vienna Instruments matrix – you will not be able to hear anything when you try to play them.

Matrices

Matrix - LEVEL 1

L1 ATB Articulation Combi **Samples: 1024 RAM: 64 MB**

Single note articulations

Staccato, portato short, sustained, fortepiano and sforzato, flutter tonguing normal and crescendo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1
V1	stac	sustained	fp	flutter
V2	port. short	sustained	sfz	flutter cres.

L1 ATB Perf-Legato Speed **Samples: 964 RAM: 60 MB**

Interval performances

Legato normal and fast

Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

Matrix - LEVEL 2 A - Advanced

01 ATB Perf-Universal **Samples: 1864 RAM: 116 MB**

Interval performances

Legato normal and fast

Marcato normal and fast

Speed controller

Matrix switches: Horizontal: Speed, 2 zones Vertical: Modwheel, 2 zones

	H1	H2
V1	legato normal	legato fast
V2	marcato normal	marcato fast

02 ATB Perf-Trill Speed **Samples: 1508 RAM: 94 MB**

Multi interval performances

Legato and trills

Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
V1	legato	trills

03 ATB Short+Long notes - All

Samples: 1408 **RAM: 88 MB**

Single notes
Staccato
Portato short and medium
Portato long, marcato and with soft attack
Sustained

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	port. short	port. med.	port. med.	sustained
V2	%	%	%	port. long marcato	%
V3	%	%	%	port. long soft	%

Matrix - LEVEL 2 B - Standard

11 ATB Perf-Legato Speed

Samples: 964 **RAM: 60 MB**

Interval performances
Legato normal and fast
Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
legato	normal	fast

12 ATB Perf-Marcato Speed

Samples: 964 **RAM: 60 MB**

Interval performances
Marcato normal and fast
Speed controller

Matrix switches: Horizontal: Speed, 2 zones

	H1	H2
marcato	normal	fast

13 ATB Dynamics - Small

Samples: 288 **RAM: 18 MB**

Medium crescendo and diminuendo, 2, 3, and 4 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D1 Vertical: Modwheel, 4 zones

	C1	C#1	D1
dyn. medium	2 sec.	3 sec.	4 sec.
fp	%	%	%
sfz	%	%	%
sffz	%	%	%

14 ATB Dynamics - Large

Samples: 608 **RAM: 38 MB**

Medium and strong crescendo and diminuendo, 2, 3, 4, and 6 sec.
Crescendo-diminuendo, 2, 3, 4, and 6 sec.
Fortepiano, sforzato, sforzatissimo

Matrix switches: Horizontal: Keyswitches, C1–D#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1
dyn. medium	2 sec.	3 sec.	4 sec.	6 sec.
dyn. strong	2 sec.	3 sec.	4 sec.	6 sec.
pfp	2 sec.	3 sec.	4 sec.	6 sec.
fp/sfz	fp	sfz	sffz	sffz

15 ATB Flatter
Samples: 96 **RAM: 6 MB**

Flutter tonguing
Normal, crescendo, and normal/crescendo with Cell crossfading

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
flutter	normal	crescendo	Cell XF

Matrix - LEVEL 2 C - Repetitions

31 ATB Perf-Repetitions - Combi
Samples: 1056 **RAM: 66 MB**

Repetition performances
Legato, portato, staccato

Matrix switches: Horizontal: Keyswitches, C1–D1

	C1	C#1	D1
V1	legato	portato	staccato

32 ATB Perf-Repetitions - Speed
Samples: 1056 **RAM: 66 MB**

Repetition performances
Legato, portato, staccato
Speed controller

Matrix switches: Horizontal: Speed, 3 zones

	H1	H2	H3
V1	legato	portato	staccato

33 ATB Fast-Repetitions
Samples: 384 **RAM: 24 MB**

Fast repetitions: Staccato, 120–180 BPM

Matrix switches: Horizontal: Keyswitches, C1–F#1

	C1	C#1	D1	D#1	E1	F1	F#1
speed/BPM	120	130	140	150	160	170	180

34 ATB Upbeats a1
Samples: 480 **RAM: 30 MB**

Repetitions: 1 upbeat, 80–140, 160, 180, 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

35 ATB Upbeats a2
Samples: 480 **RAM: 30 MB**

Repetitions: 2 upbeats, 80–140, 160, 180, 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

36 ATB Upbeats a3
Samples: 480 **RAM: 30 MB**

Repetitions: 3 upbeats, 80–140, 160, 180, 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–A1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
speed/BPM	80	90	100	110	120	130	140	160	180	200

37 ATB Upbeats all

Samples: 1440 **RAM: 90 MB**

Repetitions: 1–3 upbeats, 80–140, 160, 180, 200 BPM

Matrix switches: Horizontal: Keyswitches, C1–A1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1	A1
1 upbeat	80	90	100	110	120	130	140	160	180	200
2 upbeats	80	90	100	110	120	130	140	160	180	200
3 upbeats	80	90	100	110	120	130	140	160	180	200

Matrix - LEVEL 2 E - Keyswitch Vel

71 ATB Legato - cre5

Samples: 80 **RAM: 5 MB**

Legato notes: Crescendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

72 ATB Portato - cre9

Samples: 144 **RAM: 9 MB**

Portato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

73 ATB Staccato - cre9

Samples: 144 **RAM: 9 MB**

Staccato notes: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

74 ATB Combi - cre9

Samples: 288 **RAM: 18 MB**

Portato and staccato: Crescendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

75 ATB Legato - dim5

Samples: 80 **RAM: 5 MB**

Legato notes: Diminuendo, keyswitch velocity
Keyswitches control 5 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–E1

	C1	C#1	D1	D#1	E1
velocity	1st	2nd	3rd	4th	5th

76 ATB Portato - dim9

Samples: 144 **RAM: 9 MB**

Portato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

77 ATB Staccato - dim9

Samples: 144 **RAM: 9 MB**

Staccato notes: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
velocity	1st	2nd	3rd	4th	5th	6th	7th	8th	9th

78 ATB Combi - dim9

Samples: 288 **RAM: 18 MB**

Portato and staccato: Diminuendo, keyswitch velocity
Keyswitches control 9 dynamic steps

Matrix switches: Horizontal: Keyswitches, C1–G#1 Vertical: Modwheel, 2 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1	G#1
portato	1st	2nd	3rd	4th	5th	6th	7th	8th	9th
staccato	1st	%	%	%	%	%	%	%	%

Presets

ATB VSL Preset Level 1 **Samples: 1924 RAM: 120 MB**

L1 ATB Perf-Legato Speed
L1 ATB Articulation Combi
Preset keyswitches: C2–C#2

ATB VSL Preset Level 2 **Samples: 4888 RAM: 305 MB**

01 ATB Perf-Universal
02 ATB Perf-Trill Speed
L1 ATB Articulation Combi
31 ATB Perf-Repetitions - Combi
74 ATB Combi - cre9
Preset keyswitches: C2–E2